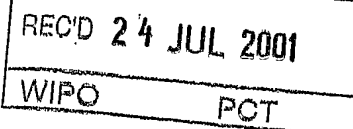


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



16

Applicant's or agent's file reference fp13046	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).
International Application No. PCT/AU00/00831	International Filing Date (<i>day/month/year</i>) 10 July 2000	Priority Date (<i>day/month/year</i>) 8 July 1999
International Patent Classification (IPC) or national classification and IPC Int. Cl. ⁷ H04L 12/28, G06F 17/40		
Applicant CARDSOFT INTERNATIONAL PTY LIMITED et al		

1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.																								
2.	This REPORT consists of a total of 5 sheets, including this cover sheet. <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheet(s).																								
3.	This report contains indications relating to the following items: <table border="0"><tr><td>I</td><td><input checked="" type="checkbox"/></td><td>Basis of the report</td></tr><tr><td>II</td><td><input type="checkbox"/></td><td>Priority</td></tr><tr><td>III</td><td><input type="checkbox"/></td><td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td></tr><tr><td>IV</td><td><input type="checkbox"/></td><td>Lack of unity of invention</td></tr><tr><td>V</td><td><input checked="" type="checkbox"/></td><td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td></tr><tr><td>VI</td><td><input checked="" type="checkbox"/></td><td>Certain documents cited</td></tr><tr><td>VII</td><td><input type="checkbox"/></td><td>Certain defects in the international application</td></tr><tr><td>VIII</td><td><input type="checkbox"/></td><td>Certain observations on the international application</td></tr></table>	I	<input checked="" type="checkbox"/>	Basis of the report	II	<input type="checkbox"/>	Priority	III	<input type="checkbox"/>	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	IV	<input type="checkbox"/>	Lack of unity of invention	V	<input checked="" type="checkbox"/>	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	VI	<input checked="" type="checkbox"/>	Certain documents cited	VII	<input type="checkbox"/>	Certain defects in the international application	VIII	<input type="checkbox"/>	Certain observations on the international application
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VIII	<input type="checkbox"/>	Certain observations on the international application																							

Date of submission of the demand 8 February 2001	Date of completion of the report 17 July 2001
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer SEAN APPLGATE Telephone No. (02) 6283 2207

I. Basis of the report

1. With regard to the **elements** of the international application:*
- ☒ the international application as originally filed.
- ☐ the description, pages , as originally filed,
 pages , filed with the demand,
 pages , received on with the letter of
- ☐ the claims, pages , as originally filed,
 pages , as amended (together with any statement) under Article 19,
 pages , filed with the demand,
 pages , received on with the letter of
- ☐ the drawings, pages , as originally filed,
 pages , filed with the demand,
 pages , received on with the letter of
- ☐ the sequence listing part of the description:
 pages , as originally filed
 pages , filed with the demand
 pages , received on with the letter of
2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
 These elements were available or furnished to this Authority in the following language which is:
- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/fig.
5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 11, 21, 29-31, 33-36, 38	YES
	Claims 1-10, 12-20, 22-28, 32, 37, 39-41	NO
Inventive step (IS)	Claims 11, 21, 29-31, 33-36, 38	YES
	Claims 1-10, 12-20, 22-28, 32, 37, 39-41	NO
Industrial applicability (IA)	Claims 1-41	YES
	Claims None	NO

2. Citations and explanations (Rule 70.7)

- (a) WO 99/45726 (Ortony) 10 September 1999.
- (b) EP 917318 (Lucent Technologies) 19 May 1999.
- (c) US 5857201 (Wright, Jr. et al.) 5 January 1999.
- (d) US 5821513 (O'Hagan et al.) 13 October 1998.
- (e) US 5467341 (Matsukane et al.) 14 November 1995.

The invention defined in claims 1-10, 12-20, 22-28, 32, 37 and 39-41 does not satisfy the requirements of novelty or inventive step when compared with documents (b) to (e) above.

Document (a) *Ortony* discloses a system of providing personal network services to wireless devices via an internet connection. A local area server which is linked to at least one internet server supports a wireless network for communicating with the devices within a geographical region, each tailored to provide specific services. Each device includes programs for controlling operation of the device transceiver and for performing services, such as an electronic mail program or a web browser (see pages 8 to 10 in particular). The device transceiver selects from a plurality of channels for transmitting and receiving the local area signals. The geographical region may be a home, office building or town in a manner similar to cellular phones. Some devices may operate in a number of regions (see pages 12 and 13). This document discloses all of the features defined in claims 1-10, 12-20, 22-28, 37 and 39-41 but was not published until after the priority date claimed.

Document (b) *Lucent* discloses a system of providing remote wireless access to the public internet, private intranets and/or ISPs. It is based on wireless home networks comprising home mobile switching centres, wireless modems and mobile user computers. The network supports roaming - changing the user's point of attachment to the network without disturbing the link. Applications run by the user's include electronic mail, file transfer and browser based web access. This document discloses all of the features defined in claims 1-10, 12-20, 22-28, 37 and 39-41.

Document (c) *Wright* discloses client/server architecture for occasional connections between mobile devices (such as personal digital assistants) and enterprise computing systems. A server operates between the LAN and the internet/intranet, linking devices to the enterprise data source on an occasional basis and optimized to exchange a minimum amount of data as is suitable for the wireless transports connected to the internet/intranet. The mobile devices have communications modules and user interfaces for establishing connections to the network. This document discloses all of the features of claims 1, 3, 8, 9, 12 and 39.

continued

VI. Certain documents cited**1. Certain published documents (Rule 70.10)**

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO 99/45726	10 September 1999	26 February 1999	2 March 1998

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of V

Document (d) *O'Hagan* discloses a portable retail product data collection system which includes a base unit for data storage and portable terminals mounted on shopping carts which have screens, customer interfaces and bar code readers. The portable terminals are connected to the base by a wireless LAN. They communicate with the transceivers in one of a number of access points, which in turn communicate with the base. The customer terminals function as web browsers which alternatively link requests data at web sites stored at the base computer and displays web pages to the customer. The position of the portable terminal in the retail outlet can be accumulated, sent to the base unit and relevant information displayed to the user. This document discloses all of the features disclosed in claims 1-9, 12-20, 22-28, 32, 37 and 39-41.

Document (e) *Matsukane* discloses a system of detecting when a mobile computer wirelessly linked to a server is about to move out of the range of the LAN and so alerts the user before the signal is too deteriorated. The office, warehouse and retail store systems disclosed in this document have all of the features defined in claims 1-9, 12, 13, 15-20, 22-28, 37 and 39-41.